

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-7 (cancelled)

8. (new) A centrifuge having a rotor for holding a sample to be centrifuged, the rotor being detachably seated on a rotary shaft that is connected to a drive, the rotor including a transponder, an antenna connected to a write/read unit, a groove for holding the transponder, and said groove being located in a lower plane surface of the rotor.

9. (new) The centrifuge as claimed in claim 8, wherein the transponder has a disk-shaped configuration.

10. (new) The centrifuge as claimed in claim 8, wherein the transponder is bonded into the groove.

11. (new) The centrifuge as claimed in claim 8, wherein the antenna is arranged on or in a motor flange positioned within a space formed by the lower plane surface of the rotor.

12. (new) The centrifuge as claimed in claim 8, wherein the antenna has an annular configuration.